

to include filters that partially remove the ISI interference from signal  $x_{k,j}$  before digitizing the signal. See, e.g., U.S. Patent Application 09/561,086, Manickam Monickam et al., (See, e.g., ~~Application Serial No. [Attorney Docket No. M-5789]~~, filed on the same date as the present application, and assigned to the same assignee as ~~as is~~ the present application, herein incorporated by reference in its entirety. ~~entirety~~).

Page 20, amend the paragraph beginning at line 5 as follows:

Parameters to control the components of receiver 501-j ~~502-j~~ can be adaptively chosen by coefficient update 506-j. Coefficient update 506-j adaptively determines the equalizer coefficients of equalizer ~~equalizers~~ 505-j, the gain  $g_j$  of amplifier 510-j, the timing coefficient  $\tau_j$  of ADC 509-j, and filter coefficients for filter 508-j. In some embodiments, coefficient update 506-j can calculate a baseline wander correction signal  $w_j$  ~~signal- $w_j$~~ , which is subtracted from the output sample of ADC 509-j at baseline wander correction adder 511-j. Baseline wander correction is discussed in "Digital Baseline Wander Correction Circuit," U.S. Patent Application No. 09/151,525, filed September ~~July~~ 11, 1998, ~~Sreen A.~~ Raghavan, assigned to the same assignee as the present application, ~~disclosure~~, now U.S. Patent 6,415,003, herein incorporated by reference in its entirety.

All previous changes to the preceding paragraphs are indicated in the above version of those paragraphs.

Enclosed to replace pages S18 and S19 of the substitute specification are respective replacement pages R18 and R19 that incorporate all the preceding revisions to the specification. The letter "R" is utilized at the beginning of replacement page numbers R18 and R19 to help distinguish them from page numbers S18 and S19 of the substitute specification. To facilitate printing of the patent, replacement pages R18 and R19 can simply be substituted for pages S18 and S19 in the substitute specification.

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